

FILE NOTATIONS

Entered in NID File ✓

Entered On S R Sheet

Location Map Pinned 7 ✓

Card Indexed ✓

I W R for State or Fee Land

Checked by Chief PMB

Copy NID to Field Office ✓

Approval Letter Letter sent 7-7-62

Disapproval Letter

COMPLETION DATA:

Date Well Completed 11/1/62

OW ✓ WW TA

GW OS PA

Location Inspected

Bond released

State of Fee Land

LOGS FILED

Driller's Log 12-19-62

Electric Logs (No.) 3

E I E-I GR GR-N Micro

Lat ✓ Mi-L Sonic ✓ Others Directional

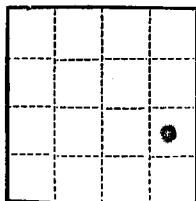
Copy H. L. C.

(SUBMIT IN TRIPLICATE)

Land Office Salt Lake City

Lease No. Utah ML 13692

Unit Lisbon Unit



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Sec. 16

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

September 4, 1962

Lisbon Unit

Well No. D-816 is located 1620 ft. from S line and 1220 ft. from E line of sec. 16

NE SE Sec. 16
(1/4 Sec. and Sec. No.)

30S
(Twp.)

24E
(Range)

Salt Lake
(Meridian)

Lisbon
(Field)

San Juan
(County or Subdivision)

Utah
(State or Territory)

ground (Ungraded)

The elevation of the ~~drill hole~~ ground above sea level is 6086 ft. KS elevation will be reported later.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

PROPOSED CASING PROGRAM:

35' - 16" OD Conductor (Cemented to surface)
1,000' - 10-3/4" OD Surface casing (Cemented to surface)
8,900' - 5-1/2" OD Production string (Cemented with sufficient cement to meet conditions encountered)

Objective Pay: Mississippian Formation

Estimated Total Depth: 8,900'

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company THE PURE OIL COMPANY

Address P. O. Box 1338

Moab, Utah

253-3581

By

W. W. Weir
W. W. Weir

Title

District Superintendent

THE PURE OIL COMPANY

LOCATION REPORT

Date August 29, 1962A.F.E. No. 4612Division Northern Producing
5.878.76 Participating Area
20.941.92 Unit AreaProspect Northwest Lisbon
District Four Corners

Lease State (M. L. 13692)

Ung. Gr. Lisbon Unit

Acres _____ Lease No. _____ Elevation 6086 Well No. D-816 (Serial No. _____)Quadrangle NE SE Sec. 16 Twp. 30S Rge. 24EBk.
Dist.
Twp.Survey Salt Lake Meridian County San Juan State UtahOperator The Pure Oil CompanyMap Utah 1-4

1620	Feet	North	of the	South	line of	Section
1220	Feet	West	of the	East	line of	Section
_____	Feet	_____	of the	_____	line of	_____
_____	Feet	_____	of the	_____	line of	_____

LEGEND

○ Location



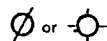
Gas Well



Oil Well



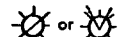
Gas-Distillate Well



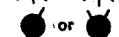
Dry Hole



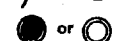
Abandoned Location



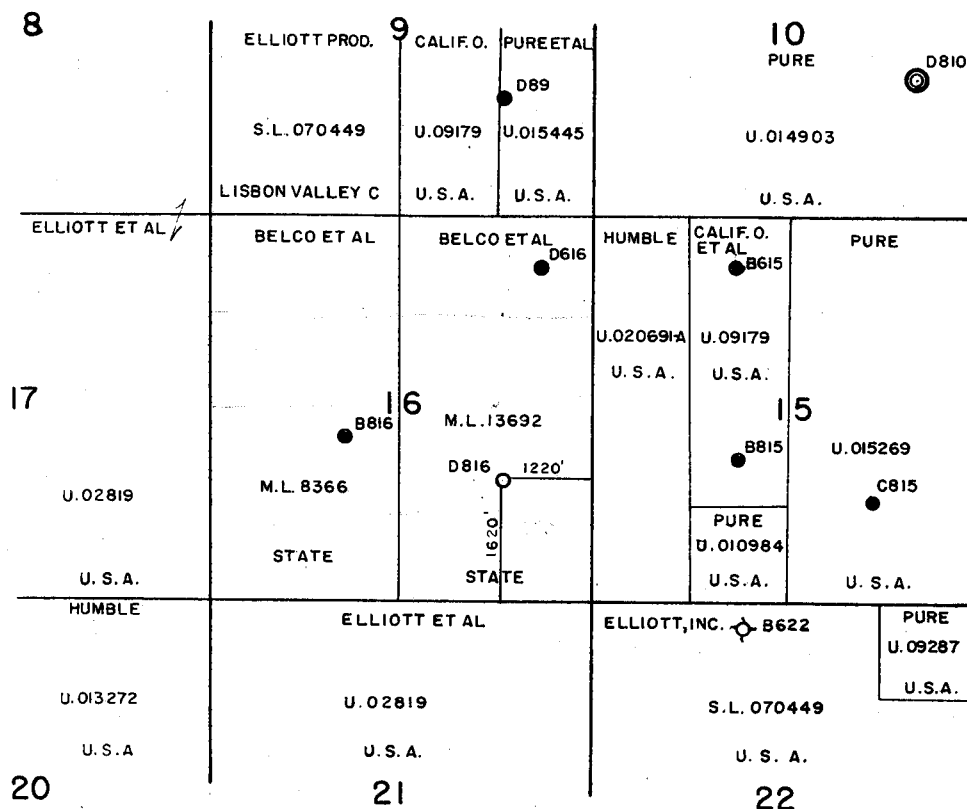
Abandoned Gas Well



Abandoned Oil Well



Input Well



Scale 2" = 1 MILE

Remarks: _____

Submitted by

Rex Indiche

Civil Engineer

Approved by _____

Division Manager

Approved by _____

Vice-President - General Manager

UTAH OIL & GAS CONSERVATION COMMISSION
310 NEWHOUSE BUILDING
10 EXCHANGE PLACE
SALT LAKE CITY 11, UTAH

September 7, 1962

Pure Oil Company
P. O. Box 1338
Moab, Utah

Attention: W. W. Weir, Dist. Supt.

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Lisbon Unit D-816, which is to be located 1620 feet from the south line and 1220 feet from the east line of Section 16, Township 30 South, Range 24 East, SLBM, San Juan County, Utah.

Please be advised that insofar as this office is concerned approval to drill said well is hereby granted.

This approval terminates within 90 days if the above mentioned well has not been spudded in within said period.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT
EXECUTIVE DIRECTOR

CBF:cnp

cc: Jerry Long, USGS,
Durango, Colorado

HaaL. Coonts, OGCC,
Moab, Utah

INDUSTRIAL COMMISSION OF UTAH

RIG SAFETY INSPECTIONName of Company THE PURE OIL COMPANY Date September 18, 1962Name of Drilling Contractor Loffland BrothersWell Name and Number LISBON UNIT D-#816 Rig No. 184 Field LisbonSection 16 Township 30S Range 24ECounty San Juan State Utah Driller Frank VetereNumber Present: Five (5) Toolpusher Jerry Reinhart (not present)Days worked since last lost-time accident: No L.T.A.s

Items causing lost-time accidents that have been corrected, or which need to be corrected: _____

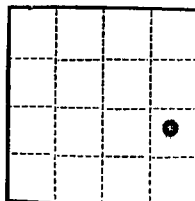
Accidents or near accidents that have accured on rig since last inspection: _____

Any new employees in crew Two (2) Have instructions been given the new crew members Weekly

	(Good) Yes	(Poor) No
Escape Line and Slide - - - - -	_____	<u>X</u> (1)
Ladders, Side Rails, Steps - - - - -	<u>X</u>	_____
Walk-Around Floor and Railing - - - - -	<u>X</u>	_____
Engines Guarded - - - - -	<u>X</u>	_____
Rotary Drive Guard- - - - -	_____	_____
All High Pressure Fittings in High Pressure Lines- - - - -	<u>X</u>	_____
Fire Hazards Controlled - - - - -	<u>X</u>	_____
General Housekeeping- - - - -	<u>X</u>	_____
Hard Hats - - - - -	<u>X</u>	_____
First Aid Kit - - - - -	<u>X</u>	_____
Blowout Preventor - - - - -	_____	<u>X</u> (2)
Cellar Clean, No Debris - - - - -	<u>X</u>	_____

Unsafe practices that might cause a mishap, and recommendations made for a safe method of doing the job: None visibleDrillers, Toolpushers or Drilling Superintendents reactions: GoodRemarks: (1) Geronimo line not up
(2) Drilling surface holeDeputy Inspector: HARVEY L. COONTS, Deputy Inspector

Copy H.L.C.



Sec. 16

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake City
Lease No. Utah ML 13692
Unit Lisbon Unit

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	X
NOTICE OF INTENTION TO ABANDON WELL.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

September 21, 1962

Lisbon Unit

Well No. D-816 is located 1620 ft. from S line and 1220 ft. from E line of sec. 16

NE SE Sec. 16
(1/4 Sec. and Sec. No.)

30S 24E
(Twp.) (Range)

Salt Lake
(Meridian)

Lisbon
(Field)

San Juan
(County or Subdivision)

Utah
(State or Territory)

ground

The elevation of the ~~surface~~ above sea level is 6092 ft. KB 6108 - L & S

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

On 9-11-62 set 1 jt. 20" OD conductor 26' below rotary table with 7 yards ready-mix. Spudded 6:00 a.m. 9-17-62 and drilled to 974'. Set 30 jts. of 10-3/4" OD 40.5# J-55 casing at 974' KB, insert float set at 945.59' KB, with 400 sax 50-50 Pozmix with 6% gel and 2% calcium chloride and with 1# Tufplug and 1/4# Flocele added per sack. Tailed in with 125 sax regular cement with 3% calcium chloride. Circulated cement. Rotated casing throughout cement job. Job complete at 10:55 a.m. 9-20-62. Cut off pipe at 7:00 p.m. 9-20-62. Now W.O.C. and nipping up.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company THE PURE OIL COMPANY

Address P. O. Box 1338

Moab, Utah

253-3581

By L. K. Coggan

Title District Office Manager



THE PURE OIL COMPANY

NORTHERN PRODUCING DIVISION • Four Corners District

P. O. BOX 265 • MOAB, UTAH • ALPINE 3-3581

LISBON UNIT SAN JUAN COUNTY, UTAH OPERATING REPORT

SEPTEMBER, 1962

	Month	Avg. Daily
Oil Production, Barrels	221,981	7,399
Gas Production, MCF	437,861	14,595
Gas Injected, MCF	366,676	
Fuel Gas, MCF	17,978	
Gas Flared, MCF	53,210	

GAS INJECTION FACILITIES

Periodic flaring of gas has been caused by compressor packing and valve failures. Steps are being taken to remedy this problem; however, the compressors have operated "trouble free" for the past two weeks. The compressor engines continue to operate satisfactorily on the sour fuel gas and laboratory tests indicate that the start up engine oil is still good for further use. The gas injection pressure has stabilized at about 2,300 psig.

OIL PRODUCTION

The production rate of the unit wells is being controlled based on the gas oil ratios and flowing pressure gradient tests in order to minimize coning free gas and water. Due to compressor loading limitations, the unit production was further controlled so as to produce a maximum volume of oil and a minimum volume of gas.

PIPELINE

The Ute Pipeline Pump Station is now complete and all of the unit production was handled by the Pipeline since September 10.

DRILLING WELLS

Well #D-816 was spudded September 17th and drilling was completed October 18th. This well was flowed to pit for five hours to cleanup on October 23rd and rig was released October 24th. It is now shut in awaiting final production hookup. This well should be as good as the wells recently completed.

Well #A-713-A was spudded September 29th and is now drilling salt and anhydrite at 5,585' without any difficulties.

R. S. Birmingham

R. S. Birmingham
Lisbon Unit Production Superintendent

Copy A.H.C.

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UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Form approved
Budget Bureau No. 42-R3883
Land Office Salt Lake City
Lessee Number Utah ML 13692
Unit Lisbon Unit

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County San Juan Field Lisbon

The following is a correct report of operations and production (including drilling and producing wells) for the month of September, 19 62

Agent's address P. O. Box 1338 Company THE PURE OIL COMPANY

Moab, Utah Signed [Signature]

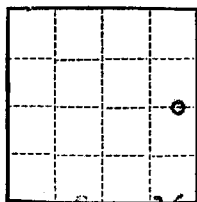
Phone 253-3581 Agent's title District Office Manager

Sec. & 1/4 of 1/4	Twp.	Range	Well No.	Days Produced	Bbls. of Oil	Gravity	Cu.Ft. of Gas (In Thousands)	Gal. of Gasoline Recovered	Bbls. of Water (If none, state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
NE SE Sec. 16 Lisbon Unit D-816	30S	24E								Location: 1620' FSL & 1220' FEL. L & S elevation GR - 6092', KB - 20" OD conductor 26' 6108'. On 9/11/62 set 1 jt. of below rotary table with 7 yards of ready mix. Spudded at 6:00 A.M. 9/17/62. Drilled to 974'. Set 30 jts. 10-3/4" OD 40.5# casing at 974' KB with 400 sax 50-50 Pozmix with 6% gel and 2% calcium chloride and with 1# Tufplug and 1/16# Flocele added per sack. Tailed in with 125 sax regular cement with 3% calcium chloride. Circulated cement. Job complete 10:55 A.M. 9/20/62. drilled to 4315' - Incomplete. Sample Top Hermosa 3348' (≠ 2760)

Note—There were No runs or sales of oil; No M cu. ft. of gas sold;

No runs or sales of gasoline during the month. (Write "no" where applicable.)

Note—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 42-R358.4.
Approval expires 12-31-60.

Land Office Salt Lake City

Lease No. Utah ML 13692

Unit Lisbon Unit

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
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NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	X
NOTICE OF INTENTION TO ABANDON WELL.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

October 19, 1962

Lisbon Unit
Well No. D-816 is located 1620 ft. from XXXX line and 1220 ft. from [E] line of sec. 16
NE SE Sec. 16 30S. 24E. Salt Lake
($\frac{1}{4}$ Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Lisbon San Juan Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 6092 ft. KB 6108 - L & S

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

10/16/62 DST No. 1 8588-8615 /27/ Tool open 4 hr. 45 min. Tool open with strong blow. Gas to surface in 10 min. Flow oil 3 hr. 35 min. Flowed oil to pits 1 hr. Est. flow 50 BOPH - very little gas. Reversed solid column of oil from drill pipe - Est. 150 BOPH. Pressures: IH 4600, 30 min ICI 2955, IF 145, FF 970, FCI 2880 1 hr, IH 4600. Bottom hole temp 142 degrees.

10/18/62 DST No. 2 8615-8655 /40/ Initial open 3 min, tool open 90 min. Tool open with good blow. Gas to surface in 40 minutes. Est. flow 100 MCFD. Reversed out estimated 10 bbls. oil, 15 bbls black sulphur salty water. Also recovered 180' black sulphur salty water below circulating sub. Pressures: IH 4655, 30 min. ICI 2965, IF 185, FF 485, 30 min. FCI 2873, FH 4655, Temp. 146 degrees.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company The Pure Oil Company

Address P. O. Box 1338

Moab, Utah

253-3581

By [Signature]

L. K. Corgan

Title District Office Manager

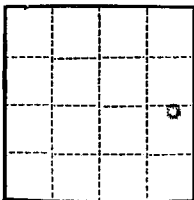
Copy H.L.C.

(SUBMIT IN TRIPLICATE)

Land Office Salt Lake City

Lease No. Utah ML 13692

Unit Lisbon Unit



Sec. 16

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
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NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	X
NOTICE OF INTENTION TO ABANDON WELL		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

October 24, 1962

Lisbon Unit
Well No. D-316 is located 1620 ft. from [N] line and 1220 ft. from [E] line of sec. 16

NE SE Sec. 16 30S. 24E. Salt Lake
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Lisbon San Juan Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the ~~derrick floor~~ ground above sea level is 6092 ft. KB 6108 - L & S

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

SEE SUPPLEMENTAL SHEET ATTACHED.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company The Pure Oil Company

Address P. O. Box 1338

Koab, Utah

253-3581

By L. R. Coggan
L. R. Coggan
Title District Office Manager

SUNDRY NOTICES AND REPORTS ON WELLS

Lisben Unit D-816
1620' FSL and 1220' FEL
Sec. 16, 30S, 24E
San Juan County, Utah

Supplementary Well History
October 24, 1962

8665' TD by driller
8666' TD by Schlumberger
8600' PBTD

Drilling completed at 1:00 a.m. 10-18-62. Ran electric logs to T.D.

10-20-62: Set 270 jts. of 5-1/2" OD 20# and 17# N-80 and J-55 casing at 8666' KB. Halliburton DV tool set at 8248', differential tool set at 8630', float collar set at 8632'. Halliburton cemented in two stages. 1st Stage: Cemented with 175 sax 50-50 Pozmix with 2% gel and .9 gal. latex per sack, plus 1# Tufplug and 1/4# Flocele per sack. Pipe rotated freely throughout cement job. Pumped 8 bbls. water for spacer between plug. Pumped 190 bbls. mud behind DV opening plug. DV tool opened with 1200# at 7:55 p.m. 10-20-62. Pull returns during cement job. No returns of cement. Circulated 8 hours. 2nd Stage: Cemented with 2200 sax 50-50 Pozmix, 6% gel, salt saturated. Pumped 20 bbls. water ahead of cement. Full circulation throughout job. Closed DV tool with 3700# at 6:30 a.m. 10-21-62. Displaced cement with fresh water.

Drilled out cement. Found top of differential collar at 8630'.

Schlumberger perforated 10-23-62 with 4 crack jet shots perfect from: 8384' - 8390'; 8430' - 8460' and 8504' - 8524'.

Ran 2-7/8" tubing. Halliburton acidized as follows:

Through perfs 8384' - 8390' with 2000 gallons low tension non-emulsifying 15% acid. Packer set at 8342'. Tail pipe at 8383', bridge plug at 8413'. Spotted acid on formation. Pressured to 3850#. Formation broke. Pressure dropped to 1800#. Pumped 6-1/4 bbls. per minute at 2300#. Tubing on vacuum.

Through perfs 8430' - 8460' with 7000 gals. low tension acid. Packer set at 8409'. Tail pipe set at 8450', bridge plug set at 8481'. Spotted acid on formation. Pressured to 2400#. Formation broke. Pressure dropped to 1400#. Pumped at rate of 6-1/4 bbls. per minute at 1300#. Tubing on vacuum.

Through perfs 8504' - 8524' with 2500 gals. low tension non-emulsifying acid. Packer set at 8471', tail pipe at 8512', bridge plug at 8600'. Spotted acid on formation. Formation broke at 1200#. Pumped at rate of 6-1/4 bbls. per minute at 1000#. Tubing on vacuum. Left bridge plug at 8600'. Picked up tubing. Set packer at 8235' with 14,000#. Tail pipe set at 8376'. Removed BOP and flanged up Xmas tree. Swabbed well to pit. Made three runs and well began flowing. Well cleaned five hours to pit and was then shut in to move off rig. Rig released at 8:00 a.m. 10-24-62.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Form approved
Budget Bureau No. 62-2388A
Land Office Salt Lake City
Lease Number Utah ML 13692
Unit Lisbon Unit

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County San Juan Field Lisbon

The following is a correct report of operations and production (including drilling and producing wells) for the month of October 19 62

Agent's address P. O. Box 1338 Company THE PURE OIL COMPANY
Moab, Utah Signed [Signature]
Phone 253-3581 Agent's title District Office Manager

Sec. & 1/4 of 1/4	Twp.	Range	Well No.	Days Produced	Bbls. of Oil	Gravity	Cu. Ft. of Gas (In Thousands)	Gal. of Gasoline Recovered	Bbls. of Water (If none, state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
NE SE Sec. 16 Lisbon Unit D-816	30S	24E		1	See Unit Report					Drilled from 4315 to 8417. Cored from 8417 to 8450'. Drilled to 8615'. DST No. 1 - 8588' - 8615'. Drilled to 8665' TD. Drilling completed at 1:00 a.m. 10-18-62. DST No. 2 - 8615' - 8655'. Ran electric logs to TD. Set 270 jts. of 5-1/2" OD casing at tool set at 8248'. Cemented in two stages. First Stage: Cemented with 175 sax 50-50 Pozmix with 2% gel and .9 gallons of Latex per sack, plus 1 1/4 Tufplug and 1 1/4 Floccs per sack. Second Stage: Cemented with 2200 sax 50-50 Pozmix, 6% gel, salt saturated. Job complete at 6:30 a.m. 10-21-62. Drilled out to 8600'. Schlumberger perforated with 1 crack jet shots per foot from 8384' - 8390'; 8430' - 8460'; 8504' - 8524'. Ran 2-7/8" tubing. Halliburton acidized as follows: Thru perfs 8384' - 8390' with 2000 gallons low tension non-emulsifying 15% acid. Packer set at 8342', tail pipe at 8383', bridge plug at 8413'. Spotted acid on formation. Pressured to 3850#. Formation broke, pressure dropped to 1800#. Pumped 6-1/4 bbls. per minute at 2300#. Tubing on vacuum. Thru perfs 8430' - 8460' with 7000 gals. low tension acid. Packer set at 8409', tail pipe set at 8450', bridge plug at 8481'. Spotted acid on formation. Pressured to 2400#. Formation broke, pressure dropped to 1400#. Pumped at rate of 6-1/4 bbls. per minute at 1300#. Tubing on vacuum. Thru perfs 8504' - 8524' with 2500 gals. low tension non-emulsifying acid. Packer set at 8471', tail pipe at 8512', bridge plug at 8600'. Spotted acid on formation. Formation broke at 1200#. Pumped at rate of 6-1/4 bbls. per minute at 1000#. Tubing on vacuum. Left bridge plug at 8600'. Picked up tubing. Set packer at 8235', tail pipe at 8376'. Installed Xmas tree and swabbed well in. Cleaned to pit 5 hours and shut well in. Rig released at 8:00 a.m. 10-24-62. Well shut in for final production hookup until 2:00 p.m. 10-31-62 when it was opened on test. (Continued on next page)

Note—There were _____ runs or sales of oil; _____ M cu. ft. of gas sold;

_____ runs or sales of gasoline during the month. (Write "no" where applicable.)

Note—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Form approved
Budget Bureau No. 42-23865
Land Office Salt Lake City
Lease Number Utah ML 13692
Unit Lisbon Unit

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County San Juan Field Lisbon

The following is a correct report of operations and production (including drilling and producing wells) for the month of October, 19 62

Agent's address P. O. Box 1338 Company THE PURE OIL COMPANY

Moab, Utah

Signed [Signature]

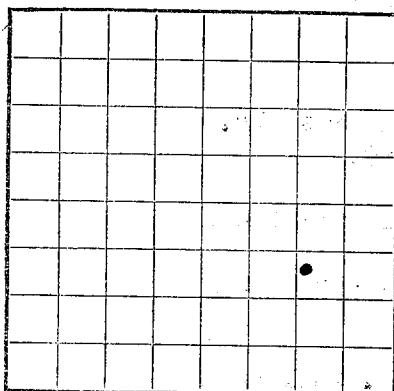
Phone 253-3581 Agent's title District Office Manager

Sec. & 1/4 of 1/4	Twp.	Range	Well No.	Days Produced	Bbls. of Oil	Gravity	Cu. Ft. of Gas (In Thousands)	Gal. of Gasoline Recovered	Bbls. of Water (If none, state)	REMARKS (If drilling, depth; if shut down, cause; date and re- sult of test for gasoline content of gas)
NE SE Sec. 16 Lisbon Unit D-816 - Continued	30S	24E								
IP for record: Flowed at daily rate of 1782 bbls. of oil thru 45/64" choke with tubing pressure of 1010# and back pressure on separator of 860#, with GOR of 1567 to 1, corrected gravity of oil 54°, at a stable rate on 1 hour test.										

Note—There were _____ runs or sales of oil; _____ M cu. ft. of gas sold;

_____ runs or sales of gasoline during the month. (Write "no" where applicable.)

Note—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

U. S. LAND OFFICE Salt Lake City
SERIAL NUMBER Utah ML 13692
LEASE OR PERMIT TO PROSPECT _____

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company The Pure Oil Company Address Box 1338-Moab, Utah
 Lessor or Tract U. S. Government Field Lisbon State Utah
Lisbon Unit
 Well No. 1-216 Sec. 16 T. 30S R. 24E Meridian Salt Lake County San Juan
 Location 1620 ft. N of S Line and 1220 ft. E of E Line of NE 1/4 Sec. 16 Elevation 8108'
 (Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon
 so far as can be determined from all available records.

Signed _____

Date December 12, 1962Title District Office Manager

The summary on this page is for the condition of the well at above date.

Commenced drilling September 17, 19 62 Finished drilling November 19, 19 62

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 8384' to 8390' No. 4, from _____ to _____
 No. 2, from 8130' to 8160' No. 5, from _____ to _____
 No. 3, from 8504' to 8524' No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from None to _____ No. 3, from _____ to _____
 No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
20"	91.5	8-F	SS	269	None	Commenced to Surface			
10 3/4"	40.5	8-F	SS	974	Float	Surface Casing			
5 1/2"	20.17	8-F	SS	8,666	Float at 8632'	Production String			
					D.V. Tool at 8243'				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
20"	26'	7 yds. ready mix	Flint Rig		
10 3/4"	974'	585 sax	Halliburton		
5 1/2"	8,666'	2,375 sax	Halliburton		

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from 0 feet to 8,666 feet, and from _____ feet to _____ feet
 Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

November 1, _____, 1962 Put to producing November 1, _____, 1962
 The production for the first 24 hours was 1,782 barrels of fluid of which 100 % was oil; _____ %
 emulsion; _____ % water; and _____ % sediment Gravity, °Bé. 54.0
 If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
 Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____, Driller _____, Driller
 _____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>4,315</u>	<u>4,315</u>	Sand & Shale
<u>4,315</u>	<u>4,436</u>	<u>121</u>	Lime & Chert
<u>4,436</u>	<u>4,650</u>	<u>214</u>	Lime
<u>4,650</u>	<u>5,045</u>	<u>395</u>	Lime & Sand
<u>5,045</u>	<u>5,234</u>	<u>189</u>	Anhydrite & Sand
<u>5,234</u>	<u>8,215</u>	<u>2,981</u>	Salt & Shale
<u>8,215</u>	<u>8,288</u>	<u>73</u>	Lime & Shale
<u>8,288</u>	<u>8,417</u>	<u>129</u>	Lime & Dolomite
<u>8,417</u>	<u>8,450</u>	<u>33</u>	Core # 1—See reverse side
<u>8,450</u>	<u>8,580</u>	<u>130</u>	Lime & Shale
<u>8,580</u>	<u>8,655</u>	<u>75</u>	Lime & Dolomite
<u>8,655</u>	<u>8,666</u>	<u>11</u>	Dolomite & Shale

Core No. 1 8417'-8450' - cut & Recieved 33'

4 1/2' - cream to lite gray, fn xln, dolomite, good pin point and small regular porosity also slightly fractured.

4 1/2' - dark gray to black, fn, xln, dnse limestone

1' - slightly dense dolomite as above.

6' - dolomite as above with good porosity, some calcite crystals.

3' - slightly dense dolomite as above with poor porosity.

3' - dense limestone as above with hairline fractures.

11' - dark gray to black, fn, sln, dolomite with good pin point and regular porosity.

Entire botton 11' badly fractured and broken up. Entire porosity of core bleeding gas and distillate.

DST No. 1-8555'-8615'-(27') Tool open 4 1/2 min. 15 minutes. Tool open with strong blow. Gas to surface in 10 min. Flow oil 3 hr- 35 min. Flowed oil to pits 1 hr-est. flow 50 BOPH-very little gas. Reversed solid column of oil from drill pipe-est. 150 BO. Pressures: IH 4600 30 min. ICI 2955, IF 145, FF 970, FCI 2880 1 hr, FH 4600. Bottom hole temperature 142 deg.

DST No. 2-8615'-8655'-Miss. (40') Initial open 3 min. Tool open 90 minutes. Tool open with good blow. Gas to surface in 40 minutes. Estimated flow 100 MCFD. Reversed out estimated 10 bbls oil, 15 bbls. black sulfur salty water. Also recovered 180' black sulphur salty water below circulating sub. Pressures: IH 4655', 30 min. ICI 2965', IF 1185, FF 485, 30 min. FCI 2873, FF 4655, Temp. 146 deg.

LOG TOPS:

Hermosa 3243' (plus 2865)
Paradox A 4995' (plus 1113)
Paradox B 5205' (plus 903)
Paradox C 5268' (plus 840)
Top of Salt 5325' (plus 783)
Base of Salt 8178' (minus 2070)
Molas 8242' (minus 2134)
Mississippian 8268' (minus 2160)

Opened well for I. P. for record on November 1, 1962 and put well on production. I. P. for record: BELOW

Well No.	Section	Depth (ft)	Formation	Remarks
16-43084-2	16-43084-2	16-43084-2	16-43084-2	16-43084-2

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, state date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE

Run 2 7/8" tubing. Halliburton acidized zones as follows:
Three Perfs. 8384-8990 w/2000 gal. low tension non-emulsifying
15% acid. Packer set @ 8342'. Tail pipe set @ 8383, Bridge plug set
at 8413'. Spotted acid on formation. Pressured up to 3650#.
Formation broke, pressure dropped to 1800#. Pumped 6 1/2 bbls
per minute at 2300#. Tubing on vacuum.

Thru Perf. 8130-8160 w/7000 gal. 1st tension acid. Packer set
at 8150. 1st bridge plug set at 8150. 2nd bridge plug set at 8150.
Spilled acid on formation. Formation leaked at 12000 PSI. Pumped
Pressure up to 2400#. Formation broke pressure dropped to
to 1400#. Pumped rate of 6 1/2 bbls/min. At 1300#.
Tubing on vacuum.

Thru Perfs. 8504-8524 w/2500 gals. low tension non-emulsifying acid
Packer set at 8471'. Tail pipe set at 8512'. Bridge Plug set at
8600', spotted acid on formation. Formation broke - pressure drop-
ped at 1200#. Pumped rate of 61 bbls/min. at 1000#. Tubing on
vacuum. Left bridge plug at 8600' which is now PETD.

Picked up tubing, set packer at 8235' w/14,000#. Tail pipe set at 8376. Removed blow out preventers & flanged up Xmas tree. Swabbed well to pit. Made 3 runs, last run to 3,000'. Well commenced flowing, 500# flowing pressure on 3/4" choke. FP on 32/64" choke 950#. 1 hr. shut in 1200#. Well flowed to pit total of 5 hrs. cleaning up. Well now shut in. Rig tearing down. Released rig 8 A. M. 10/21/62

DEC 19 1962



ROCKY MOUNTAIN ENGINEERING CO.

WELL LOGGING—CORE AND WATER ANALYSIS

2580 HIGHWAY 6

PHONE CHAPEL 3-3044

GRAND JUNCTION, COLORADO

WATER ANALYSIS

COMPANY THE PURE OIL CO. FORMATION _____
 WELL _____ DEPTHS _____
 COUNTY _____ SAMPLE FROM _____
 STATE _____ DATE _____
 LOCATION _____ REPORT NO. 505

DESCRIPTION OF SAMPLE D-816

Constituents	PPM	MEQ	MEQ%
Sodium.....	12,221	531.55	26.78
Calcium.....	7101	355.05	17.87
Magnesium.....	1294	106.50	5.36
Sulfate.....	480	10.00	0.50
Chloride.....	34,500	973.20	48.99
Carbonate.....			
Bicarbonate.....	610	10.00	0.50
Hydroxide.....			

Observed pH 6.8 Resistivity
 Chloride as NaCl 31,075 @ 68°F., ohm-meters
 Measured .129

Specific gravity @ 70°F. 1.020

Total Solids in Parts per Million

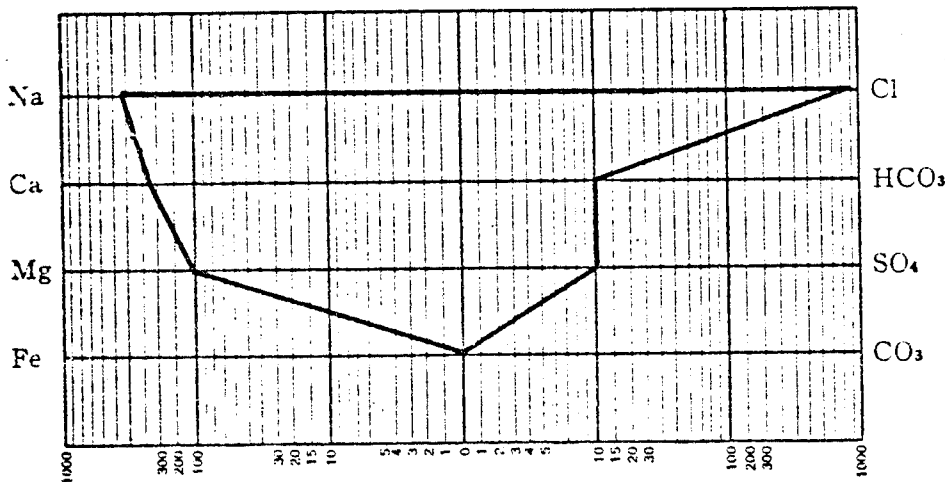
By Evaporation 55,432
 After Ignition 55,798
 Calculated 56,206

Properties of Reaction in Percent

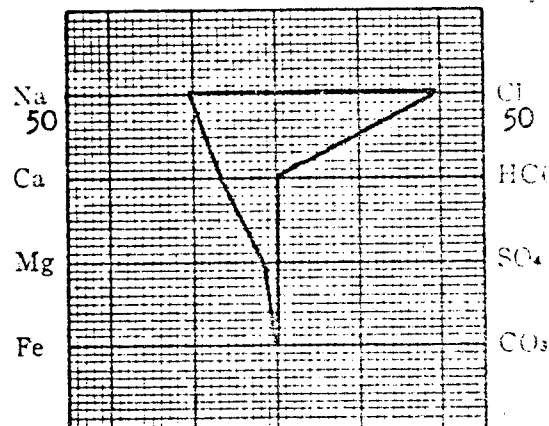
Primary Salinity 52.58
 Secondary Salinity 45.42
 Primary Alkalinity 0.00
 Secondary Alkalinity 1.00
 Chloride Salinity 98.99
 Sulfate Salinity 1.01

WATER ANALYSIS PATTERNS MEQ per unit

Logarithmic



Standard



Flow Time	1st Min.	2nd Min.	Date	Ticket Number
3		285	10-17-62	192716 S
Closed In Press. Time	1st Min.	2nd Min.	Kind of Job	Halliburton District
30		60	OPEN HOLE	CORTEZ
Pressure Readings	Field	Office Corrected	Tester	Witness
			VINSON	ASH
Depth Top Gauge	Blanked Off		Drilling Contractor	
8572'			LOFFLAND BROS.	
BT. P.R.D. No.	Hour Clock	Elevation	Top Packer	
814	12	6108'	8583'	
Initial Hydro Mud Pressure		Total Depth	Bottom Packer	
4565		8615'	8588'	
Initial Closed in Pres.		Interval Tested	Formation Tested	
2925		8588-8615'	Miss.	
Initial Flow Pres.	1	Casing or Hole Size	Casing Perfs. Top Bot.	
140	169	8 3/4"		
Final Flow Pres.	1	Surface Choke	Bottom Choke	
	134	3/4"	3/4"	
Final Closed in Pres.	2	Size & Kind Drill Pipe	Drill Collars Above Tester	I.D. - LENGTH
Chart time expired	937	5" IF	2 3/4x 330'	
Final Hydro Mud Pressure		Mud Weight	Mud Viscosity	
		10	145	
Depth Cen. Gauge	Ft.	Temperature	Anchor Size & Length	ID OD
		1142	2 3/4"	5 3/4" 27'
BT. P.R.D. No.	Hour Clock	Depths Mea. From	Depth of Tester Valve	Ft.
		RKB	8568	
Initial Hydro Mud Pres.		Cushion	Depth Back Pres. Valve	Ft.
Initial Closed in Pres.		Recovered	Feet of	
Initial Flow Pres.	1	Recovered	Feet of	
	2			
Final Flow Pres.	1	Recovered	Feet of	
	2			
Final Closed in Pres.		Recovered	Feet of	
Final Hydro Mud Pres.		Oil A.P.I. Gravity	Water Spec. Gravity	
Depth Bot. Gauge	Ft.	Gas Gravity	Surface Pressure	psi
8611			50	
BT. P.R.D. No.	Hour Clock	Tool Opened	A.M. P.M.	Tool Closed
812	24	11:52		5:10
Initial Hydro Mud Pres.		Remarks		
4600	4605	Opened for 3 min. 1st flow. Closed		
Initial Closed in Pres.		for 30 min. initial closed in pressure. Re-		
2955	2952			
Initial Flow Pres.	1	opened with a good blow, for 285 min. 2nd		
145	158			
Final Flow Pres.	1	flow. Gas to surface in 10 mins., oil in		
970	966			
Final Closed in Pres.		3 hrs. 35 mins. Closed for 60 min. final		
2850	2860			
Final Hydro Mud Pres.		closed in pressure.		
4600	4605			

FORMATION TEST DATA

25

LISBON UNIT
D-816
Well No.
1
Test No.
THE PURE OIL COMPANY
Lease Owner/Company Name
MOAB
Owner's District
UTAH
SAN JUAN
County
LISBON VALLEY
Field Area
16-302-21E
Legal Location
Sec. - Twp. - Rng.

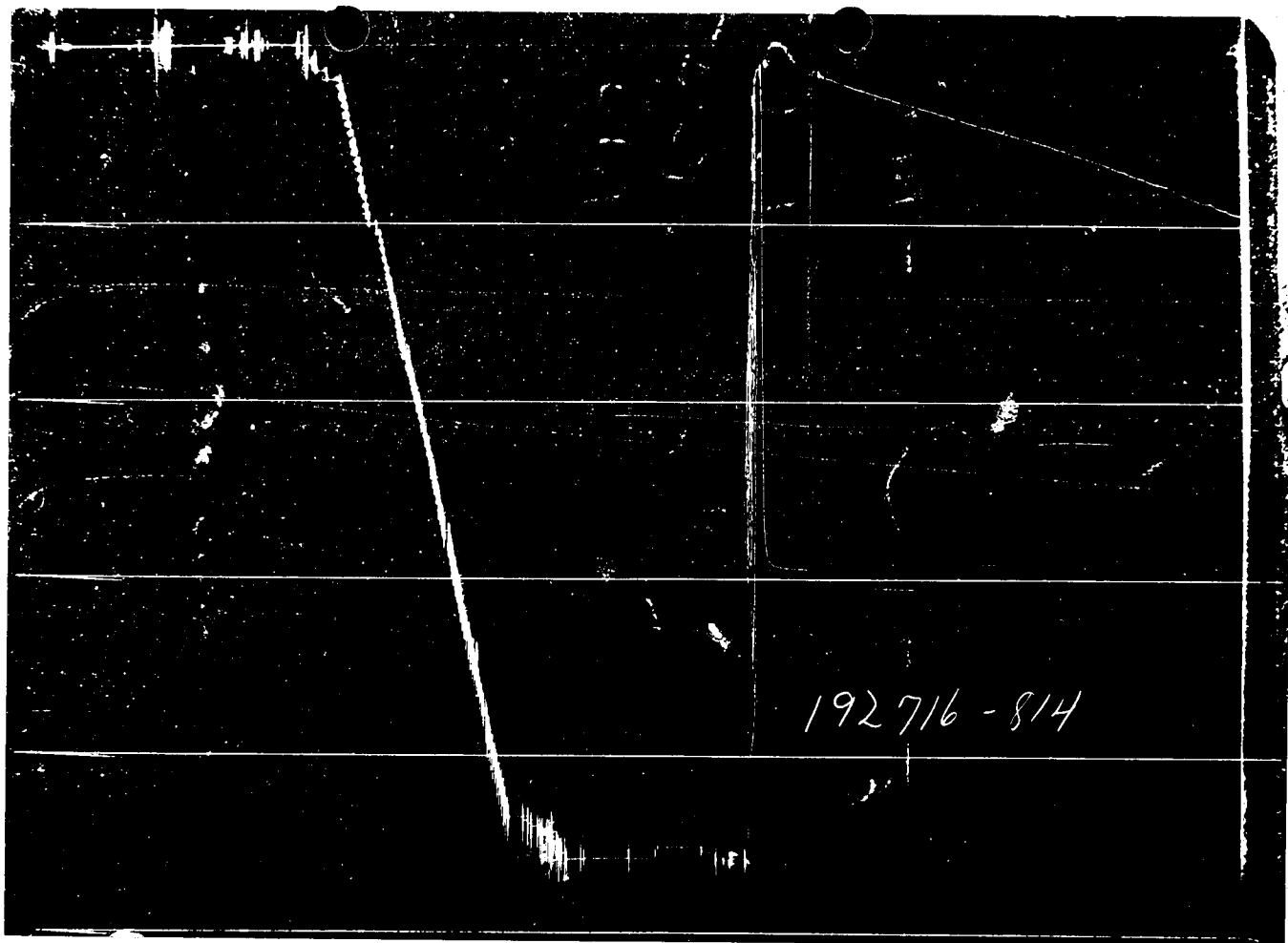
Gauge No. 814			Depth 8572'			Clock 12 hour		Ticket No. 192716		
First Flow Period			Initial Closed In Pressure			Second Flow Period		Final Closed In Pressure		
	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.
P ₀	.000	169	.000		134	.000	141			
P ₁	.018	134	.0195		2432	.3706	323			
P ₂			.0390		2874	.7412	470			
P ₃			.0585		2916	1.1118	625			
P ₄			.0780		2926	1.4824	810			
P ₅			.0975		2932	1.7480*	937			
P ₆			.1170		2935					
P ₇			.1365		2936					
P ₈			.1560		2939					
P ₉			.1755		2939					
P ₁₀			.1950		2939					

Gauge No. 812			Depth 8611			Clock 24 hour				
P ₀	.000	272	.000		191	.000	158	.000		966
P ₁	.008	191	.0088		2873	.1932	339	.0192		2627
P ₂			.0176		2920	.3864	491	.0384		2729
P ₃			.0264		2933	.5796	656	.0576		2774
P ₄			.0352		2940	.7728	858	.0768		2799
P ₅			.0440		2944	.9660	966	.0960		2818
P ₆			.0528		2946			.1152		2830
P ₇			.0616		2947			.1344		2840
P ₈			.0704		2949			.1536		2848
P ₉			.0792		2950			.1728		2853
P ₁₀			.0880		2952			.1920		2860
Reading Interval			3			57		6 Minutes		

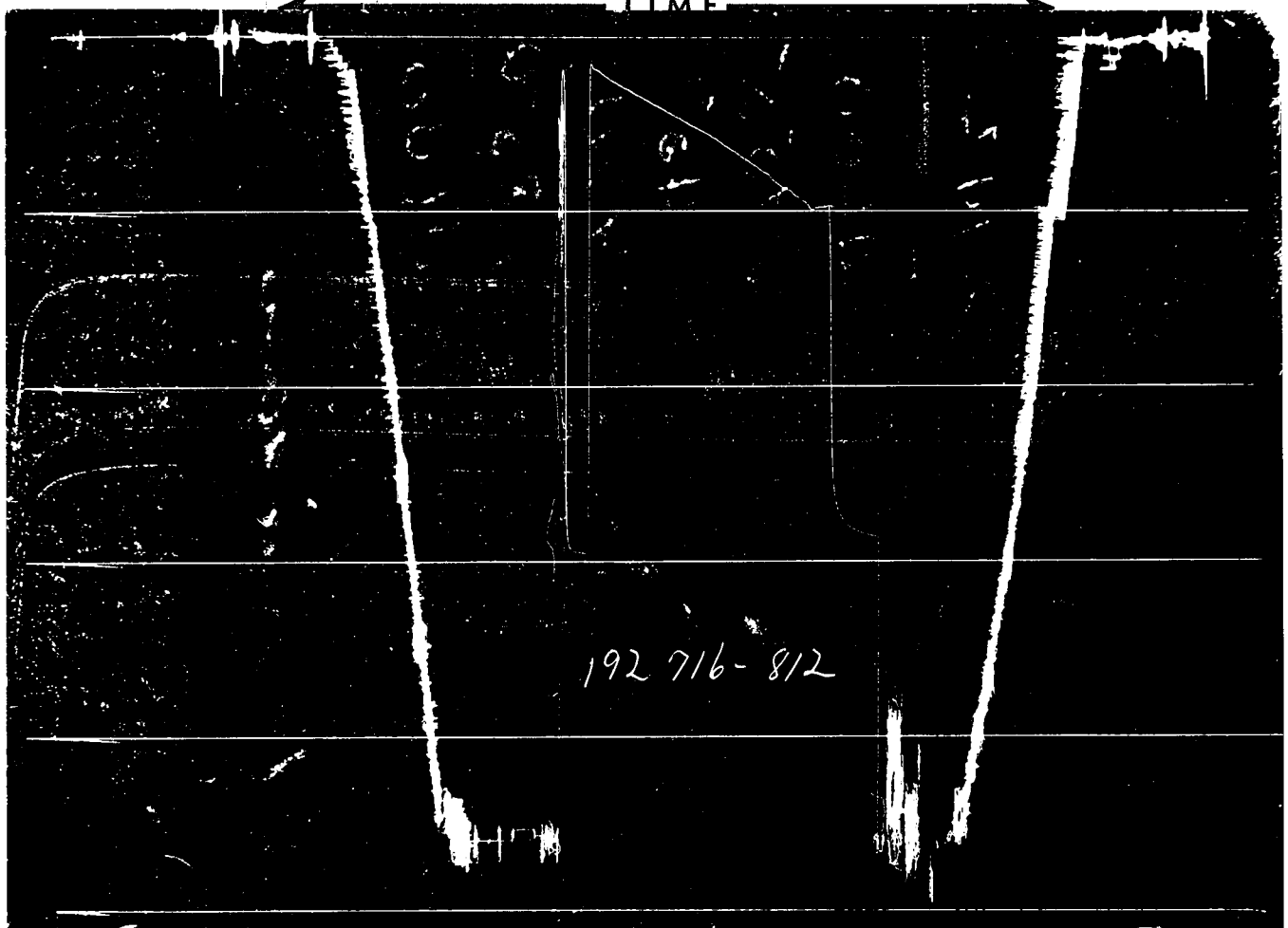
REMARKS: * Read at the end of approx. 269 minutes when chart time expired.

SPECIAL PRESSURE DATA

↑
PRESSURE
↓



TIME



Each Horizontal Line Equal to 1000 p.s.i.

Flow Time	1st 3 Min.	2nd 90 Min.	Date	10-18-62	Ticket Number	192717 S
Closed In Press. Time	1st 30 Min.	2nd 30 Min.	Kind of Job	Open Hole	Halliburton District	Cortez
Pressure Readings	Field	Office Corrected	Tester	L. P. Vinson	Witness	Don L. Ash
Depth Top Gauge	8599 Ft.	- Blanked Off	Drilling Contractor	Loffland Brothers		
BT. P.R.D. No.	729	12 Hour Clock	Elevation	-	Top Pecker	8610'
Initial Hydro Mud Pressure	4655	4659	Total Depth	8655'	Bottom Pecker	8615'
Initial Closed in Pres.	2965	2951	Interval Tested	8615-8655'	Formation Tested	Mississippi
Initial Flow Pres.	- 1 2516*	2 207	Casing or Hole Size	8 3/4"	Casing Perfs. } Top	-
Final Flow Pres.	- 1 2278*	2 532	Surface Choke	3/4"	Bottom Choke	3/4"
Final Closed in Pres.	2873	2881	Size & Kind Drill Pipe	5" IF	Drill Collars Above Tester	I.D. - LENGTH 330' x 7"x2 3/4"
Final Hydro Mud Pressure	4655	4618	Mud Weight	9.8	Mud Viscosity	42
Depth Cen. Gauge	8651 Ft.	- Blanked Off	Temperature	146 °F Est. °F Actual	Anchor Size & Length	ID 2 3/4" X 40' OD 5 3/4"
BT. P.R.D. No.	785	24 Hour Clock	Depths Mea. From	Rotary Kelly Bushing	Depth of Tester Valve	8595' Ft.
Initial Hydro Mud Pres.	4680	4703	Cushion	TYPE AMOUNT - Ft.	Depth Back Pres. Valve	- Ft.
Initial Closed in Pres.	2975	2979	Recovered	Feet of		
Initial Flow Pres.	- 1 2386*	2 239	Recovered	Feet of		
Final Flow Pres.	- 1 2068*	2 561	Recovered	Feet of		
Final Closed in Pres.	2880	2909	Recovered	Feet of		
Final Hydro Mud Pres.	4680	4648	Oil A.P.I. Gravity	-	Water Spec. Gravity	-
Depth Bot. Gauge	Ft.	- Blanked Off	Gas Gravity	-	Surface Pressure	10 psi
BT. P.R.D. No.		Hour Clock	Tool Opened	8:31-9:04 A.M. KMK	Tool Closed	8:34-10:34 A.M. KMK
Initial Hydro Mud Pres.			Remarks	Opeened tool for a 3 minutes flow. Closed in		
Initial Closed in Pres.				for a 30 minute Initial Closed in Pressure. Re-		
Initial Flow Pres.	1			opened tool with a fair blow. Gas to surface in		
Final Flow Pres.	1			40 minutes. No fluid to surface. Closed in for a		
Final Closed in Pres.	2			30 minute Final Closed in Pressure. Reversed out		
Final Hydro Mud Pres.				gas and oil cut salt water. *QUESTIONABLE.		

FORMATION TEST DATA

25

LISBON UNIT

Lease Name

D-816

Well No.

2

Test No.

PURE OIL COMPANY

Lease Owner/Company Name

Legal Location
Sec. - Twp. - Rng. 16-30S-21E

Field Area

LISBON VALLEY

County

SAN JUAN

State

UTAH

MOAB, UTAH
Owner's District

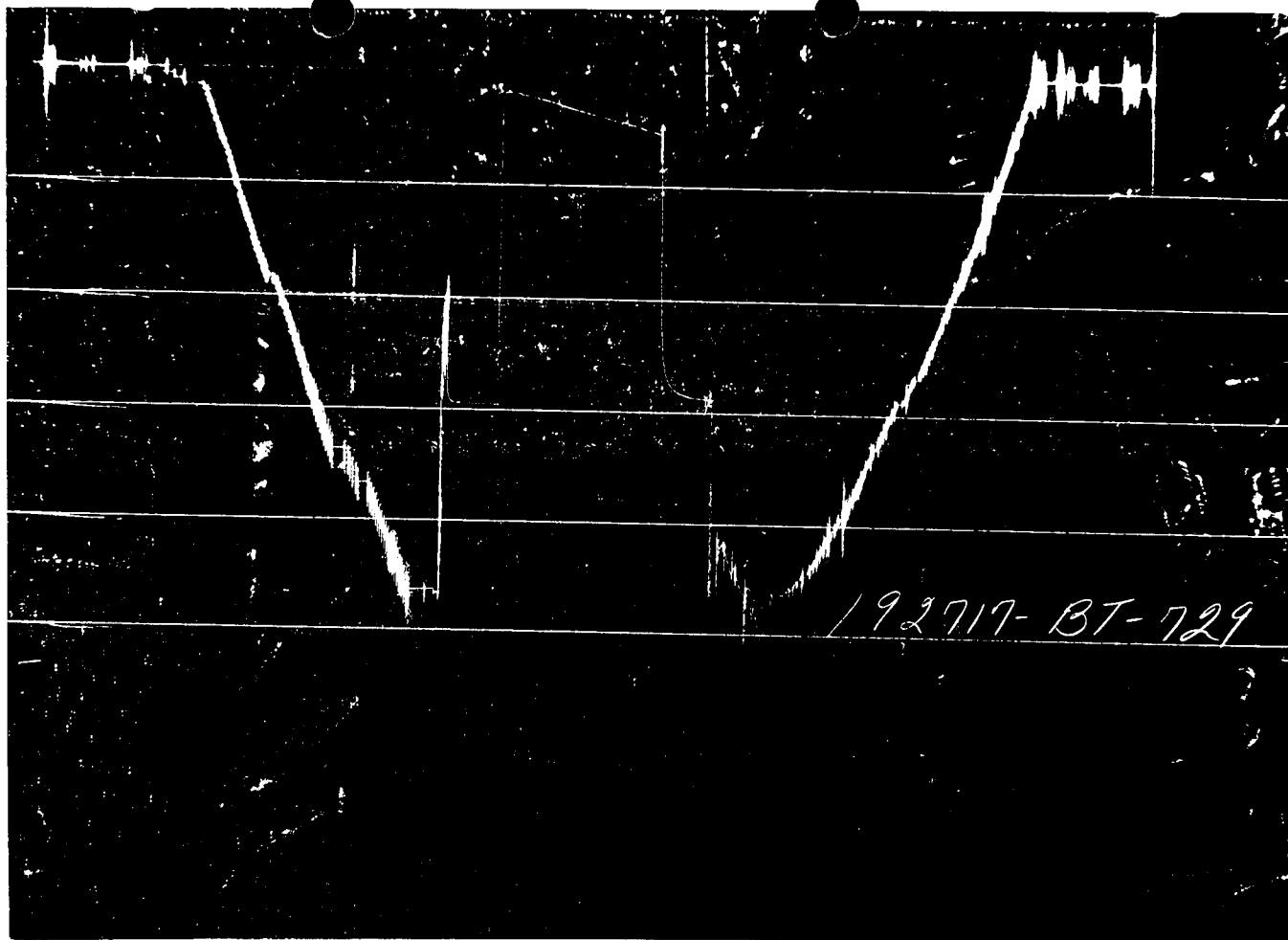
Gauge No. 729			Depth 8599'			Clock 12 hour		Ticket No. 192717		
First Flow Period			Initial Closed In Pressure			Second Flow Period		Final Closed In Pressure		
	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\phi}{\phi}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\phi}{\phi}$	PSIG Temp. Corr.
P ₀	.000	*2516	.000		2278	.000	207	.000		532
P ₁	.020	*2278	.0197		2935	.1026	217	.0207		2598
P ₂			.0394		2942	.2052	279	.0414		2748
P ₃			.0591		2944	.3078	343	.0621		2804
P ₄			.0788		2946	.4104	406	.0828		2832
P ₅			.0985		2951	.5130	461	.1035		2850
P ₆			.1182		2951	.6156	532	.1242		2862
P ₇			.1379		2951	.7078		.1449		2871
P ₈			.1576		2951	.8104		.1656		2874
P ₉			.1773		2951	.9130		.1863		2878
P ₁₀			.1970		2951			.2070		2881

Gauge No. 785			Depth 8651'			Clock 24		hour		
P ₀	.000	*2386	.000		2068	.000	239	.000		561
P ₁	.012	*2068	.010		2967	.051	246	.0095		2733
P ₂			.020		2977	.102	306	.0190		2806
P ₃			.030		2979	.153	369	.0285		2838
P ₄			.040		2979	.204	432	.0380		2862
P ₅			.050		2979	.255	494	.0475		2876
P ₆			.060		2979	.306	561	.0570		2885
P ₇			.070		2979			.0665		2892
P ₈			.080		2979			.0760		2897
P ₉			.090		2979			.0855		2906
P ₁₀			.100		2979			.0950		2909
Reading Interval			3			15		3 Minutes		

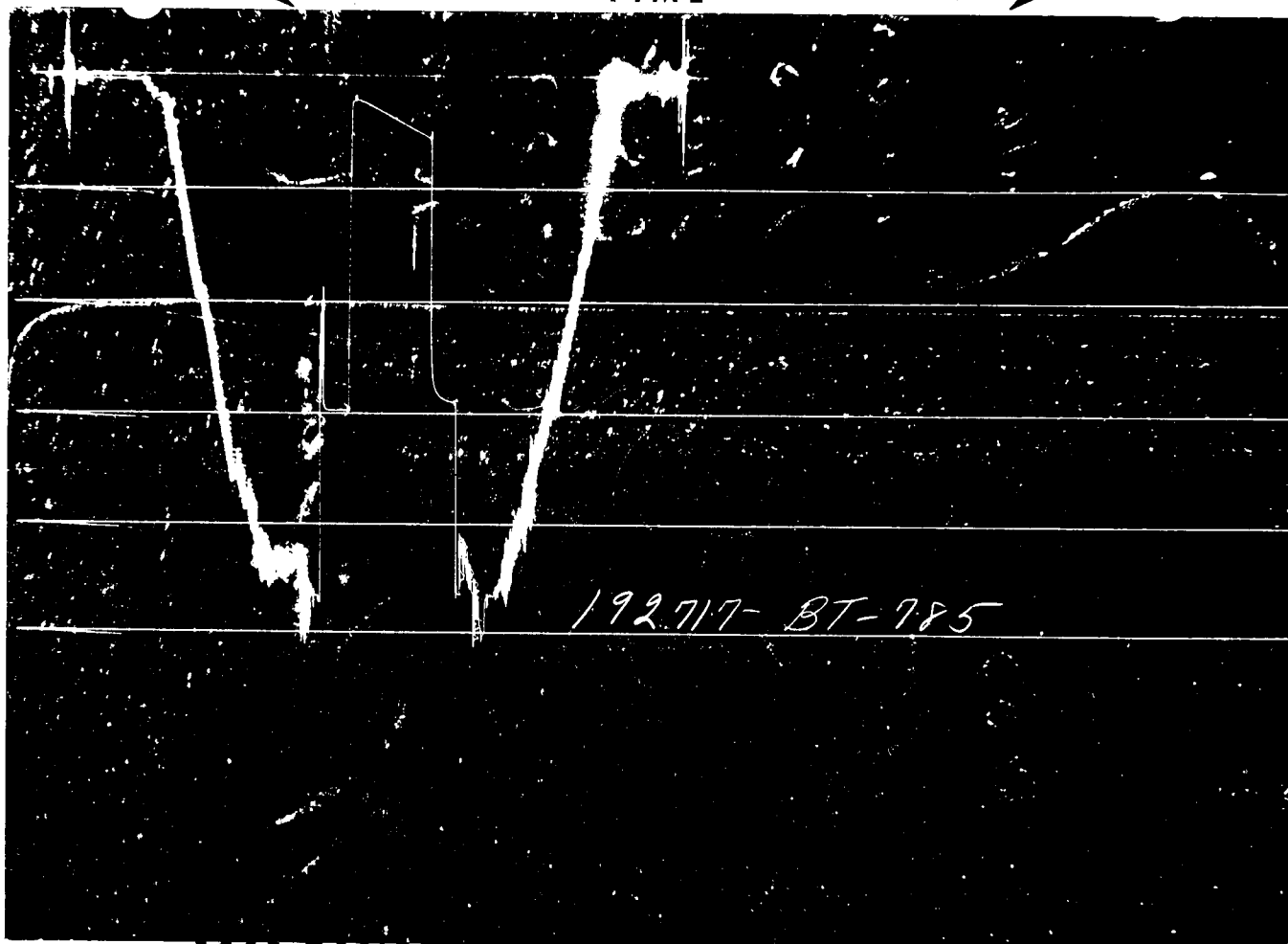
REMARKS: *QUESTIONABLE.

SPECIAL PRESSURE DATA

↑
PRESSURE
↓



← TIME →



Each Horizontal Line Equal to 1000 p.s.i.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
OIL AND GAS INSPECTION RECORD

OPERATOR Union Oil LEASE ML-13692
WELL NO. D-816 API 43-037-16253
SEC. 16 T. 30S R. 24E CONTRACTOR _____
COUNTY San Juan FIELD Lisbon

DRILLING/COMPLETION/WORKOVER:

<input type="checkbox"/> APD	<input type="checkbox"/> WELL SIGN	<input type="checkbox"/> HOUSEKEEPING	<input type="checkbox"/> BOPE
<input type="checkbox"/> SAFETY	<input type="checkbox"/> POLL. CONTROL	<input type="checkbox"/> SURFACE USE	<input type="checkbox"/> PITS
<input type="checkbox"/> OPERATIONS	<input type="checkbox"/> OTHER		

SHUT-IN ☒ / TA _____ :

<input checked="" type="checkbox"/> WELL SIGN	<input checked="" type="checkbox"/> HOUSEKEEPING	<input checked="" type="checkbox"/> EQUIPMENT*	<input checked="" type="checkbox"/> SAFETY
<input checked="" type="checkbox"/> OTHER			

ABANDONED:

<input type="checkbox"/> MARKER	<input type="checkbox"/> HOUSEKEEPING	<input type="checkbox"/> REHAB.	<input type="checkbox"/> OTHER
---------------------------------	---------------------------------------	---------------------------------	--------------------------------

PRODUCTION:

<input type="checkbox"/> WELL SIGN	<input type="checkbox"/> HOUSEKEEPING	<input type="checkbox"/> EQUIPMENT*	<input type="checkbox"/> FACILITIES*
<input type="checkbox"/> METERING*	<input type="checkbox"/> POLL. CONTROL	<input type="checkbox"/> PITS	<input type="checkbox"/> DISPOSAL
<input type="checkbox"/> SECURITY	<input type="checkbox"/> SAFETY	<input type="checkbox"/> OTHER	

GAS DISPOSITION:

<input type="checkbox"/> VENTED/FLARED	<input type="checkbox"/> SOLD	<input type="checkbox"/> LEASE USE
--	-------------------------------	------------------------------------

LEGEND: Y - YES OR SATISFACTORY
N - NO OR UNSATISFACTORY
NA - NOT APPLICABLE

*FACILITIES INSPECTED: _____

REMARKS: NESE, brushy, disconnected

ACTION: _____

INSPECTOR: Wm Moore / G. Goodwin DATE 8-26-86

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug wells to which Federal reserved rights apply. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> Shut In	7. UNIT AGREEMENT NAME Lisbon
2. NAME OF OPERATOR Union Oil Company of California	8. FARM OR LEASE NAME Lisbon Unit
3. ADDRESS OF OPERATOR P. O. Box 2620 - Casper, WY 82602-2620	9. WELL NO. D-816
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1620' FSL & 1220' FEL (NE SE)	10. FIELD AND POOL, OR WILDCAT Lisbon
14. PERMIT NO. API No. 43-037-16244	11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA Sec. 16, T.30S., R.24E.
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6086' GR (Ungraded)	12. COUNTY OR PARISH San Juan
	13. STATE Utah

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRAC TURE TREAT

MULTIPLE COMPLETE

FRAC TURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON*

SHOOTING OR ACIDIZING

ABANDONMENT*

REPAIR WELL

CHANGE PLANS

(Other)

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

8665' TD; 8587' ETD

Drilled in 1962

(See details on attached well schematic.)

Union Oil Company proposes to plug and abandon Lisbon Unit Well No. D-816 because it is mechanically unsound and has no potential for current production or future blow-down use.

Proposed Plan of Procedure

1. If time allows, attempt to blow down well to low enough pressure to allow produced water to be gravity fed into well to kill well. If there isn't enough time, R.U. and kill well with coiled tubing unit and produced water.

2. MIRU pulling unit. N.D. wellhead. N.U. BOP.

3. P.U. 4-5/8" bit on 2-7/8" workstring and TIH. Clean out to top of fish. Circulate hole clean. TOOH.

4. P.U. cement retainer on stinger assembly, TIH, and set retainer at ±6000'. Establish injection rate into Mississippian perforations. Cement squeeze Mississippian perforations 8384-8524', with 300 sacks of cement with additives

18. I hereby certify that the foregoing is true and correct. (Continued on Attached Sheet)

SIGNED

John R. Underhill

TITLE District Drilling Supt.

DATE 8-31-88

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

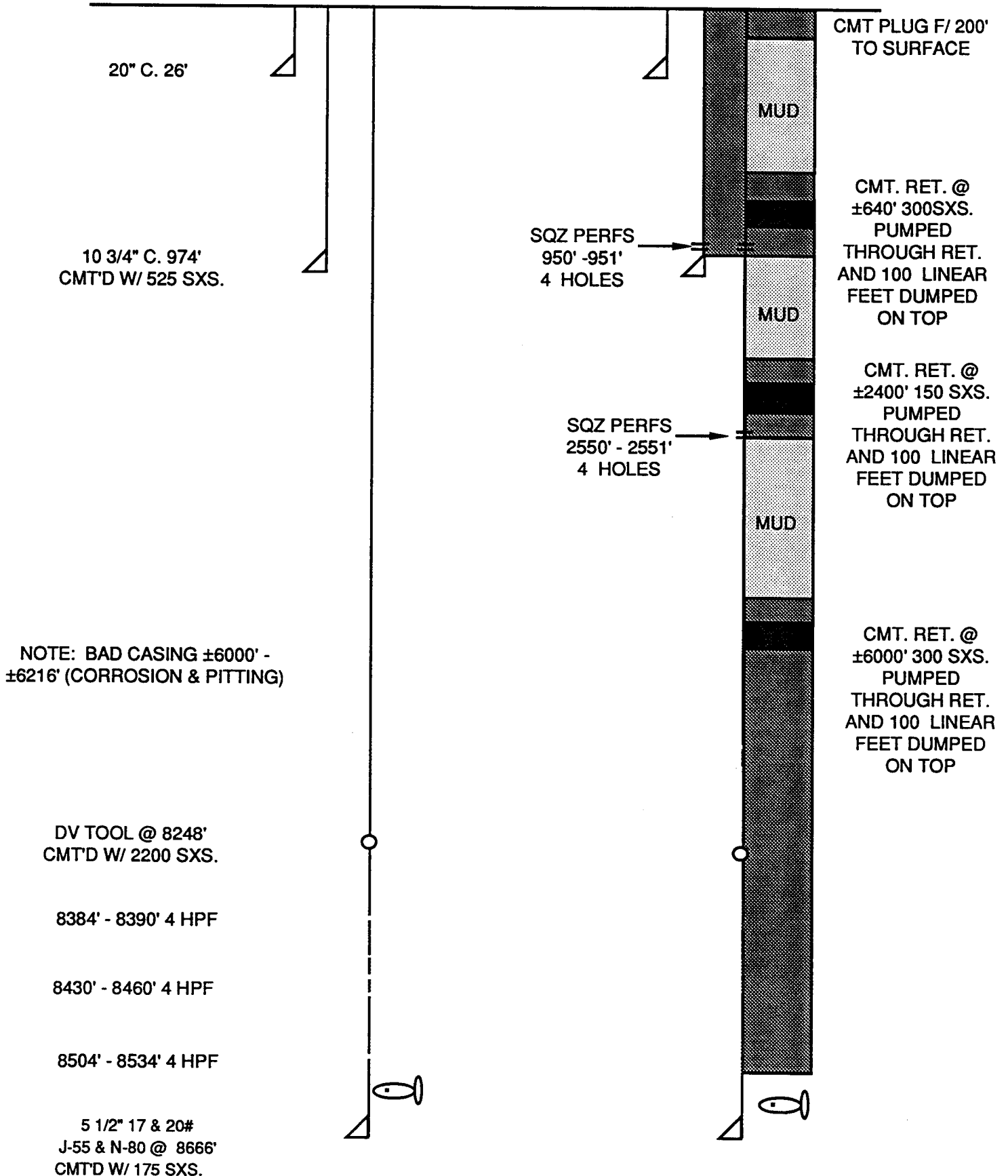
DATE: 9-12-88

*See Instructions on Reverse Side

LISBON D-816
Well Schematic

PRESENT

PROPOSED ABANDONMENT



(Plug No. 1). Sting out of retainer, dumping 100 linear feet of cement on top of retainer. Reverse circulate tubing clean and roll hole with mud laden fluid. TOOH.

5. R.U. wireline. Perforate 5-1/2" casing at $\pm 2550-2551'$ with 4 spf.
6. P.U. mechanical set cement retainer on 2-7/8" tubing and TIH. Set retainer at $\pm 2400'$. Establish injection rate into squeeze holes. Pump 300 sacks of cement with additives, sting out of retainer, dumping 100 linear feet of cement on top of retainer at $\pm 2400'$ (Plug No. 2). TOOH.
7. R.U. wireline. Perforate 5-1/2" casing at $\pm 950-951'$.
8. P.U. mechanical-set cement retainer on 2-7/8" tubing and TIH. Set retainer at $\pm 640'$. Establish injection rate into squeeze holes. Pump 300 sacks of cement with additives. Sting out of retainer, dumping 100 linear feet of cement on top of retainer at $\pm 640'$ (Plug No. 3). (Note: If cement circulates to surface out 5-1/2" x 10-3/4" casing, go to Step 11. If cement does not circulate out 5-1/2" x 10-3/4" casing, go to Step 9.)
9. If cement has not circulated out 5-1/2" x 10-3/4" annulus, R.U. wireline and perforate 5-1/2" casing at $\pm 200'$.
10. RIH with mechanical-set cement retainer on 2-7/8" tubing. Set retainer at $\pm 150'$. Pump 50 sacks cement with additives. Sting out of retainer, dumping 150 linear feet of cement on top of retainer at $\pm 150'$.
11. If cement circulates to surface out 5-1/2" x 10-3/4" annulus, P.U. to 200' and spot 30 sacks of cement from 200' to surface (Plug No. 4).
12. Cut off casing, weld on dry hole marker, and clean up location.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
OIL AND GAS INSPECTION RECORD

OPERATOR: UNION OIL CO OF CALIFORNIA LEASE: ML-13692
WELL NAME: LISBON D-816 API: 43-037-16253
SEC/TWP/RNG: 16 30.0 S 24.0 E CONTRACTOR:
COUNTY: SAN JUAN FIELD NAME: LISBON

DRILLING/COMPLETION/WORKOVER:

<input type="checkbox"/> APD	<input type="checkbox"/> WELL SIGN	<input type="checkbox"/> HOUSEKEEPING	<input type="checkbox"/> BOPE
<input type="checkbox"/> SAFETY	<input type="checkbox"/> POLLUTION CNTL	<input type="checkbox"/> SURFACE USE	<input type="checkbox"/> PITS
<input type="checkbox"/> OPERATIONS	<input type="checkbox"/> OTHER		

SHUT-IN ☐ / TA ☐:

<input type="checkbox"/> WELL SIGN	<input type="checkbox"/> HOUSEKEEPING	<input type="checkbox"/> EQUIPMENT *	<input type="checkbox"/> SAFETY
<input type="checkbox"/> OTHER			

ABANDONED:

<input type="checkbox"/> MARKER	<input type="checkbox"/> HOUSEKEEPING	<input type="checkbox"/> REHAB	<input type="checkbox"/> OTHER
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PRODUCTION:

Y WELL SIGN	Y HOUSEKEEPING	<input type="checkbox"/> EQUIPMENT *	<input type="checkbox"/> FACILITIES *
Y METERING *	Y POLLUTION CNTL	<input type="checkbox"/> PITS	<input type="checkbox"/> DISPOSAL
Y SECURITY	Y SAFETY	<input type="checkbox"/> OTHER	

GAS DISPOSITION:

<input type="checkbox"/> VENTED/FLARED	<input type="checkbox"/> SOLD	<input type="checkbox"/> LEASE USE
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LEGEND: Y = YES/SATISFACTORY N = NO/UNSATISFACTORY A = NOT APPLICABLE

*FACILITIES INSPECTED:
WELLHEAD, LOCATION

REMARKS:
EVERYTHING IS OK.

ACTION:

INSPECTOR: CHIP HUTCHINSON

DATE: 03/04/88

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> P&A		5. LEASE DESIGNATION AND SERIAL NO. Utah ML 13692	
2. NAME OF OPERATOR Union Oil Company of California		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR P. O. Box 2620 - Casper, WY 82602-2620		7. UNIT AGREEMENT NAME Lisbon	
4. LOCATION OF WELL (Report location clearly and in accordance with any State, Federal or Indian Survey. See also space 17 below.) At surface 1620' FSL & 1220' FEL (NE SE)		8. FARM OR LEASE NAME Lisbon Unit	
14. PERMIT NO. API No. 43-037-16244		9. WELL NO. D-816	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6086' GR (Ungraded)		10. FIELD AND POOL, OR WILDCAT Lisbon	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 16, T.30S., R.24E.	
		12. COUNTY OR PARISH San Juan	13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input checked="" type="checkbox"/>
(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

MIRU well service unit on 12-20-88. Blew well down and killed with 80 bbls. water down casing. N.D. tree and N.U. BOP. Tested BOP to 2000 psi. RIH to 6250'. Stopped at possible collapsed casing and could not work down. Attempted to circulate without success. TOOH. RIH with cement retainer and set at 5992'. Established injection rate of 3-1/2 bpm at 100# and pumped 290 sacks of cement. Stung out of retainer and dumped 10 sacks of cement on top of retainer. Rolled hole with mud-laden fluid. Perforated from 2550-2551' with 4 spf. TIH with cement retainer, setting at 2400'. Pressured annulus to 1000 psi. Attempted to inject into perforations with 5000 psi with no success. Stung out of retainer and spotted 50 sacks of cement on top of retainer. Perforated from 950-951' with 4 spf. RIH with cement retainer on tubing, setting at 640'. Pumped 250 sacks of cement below retainer. Stung out of retainer and spotted 20 sacks of cement on top of retainer. Pumped 25 sacks of cement down 5-1/2" x 10-3/4" annulus. Cut off wellhead. Installed surface plug in 5-1/2" casing with redi-mix cement and filled up top 2' of 5-1/2" x 10-3/4" annulus with redi-mix cement. Installed dry hole marker. Well plugged and abandoned on 12-28-88.

Note: Abandonment operations were witnessed by Glenn Goodwin, Utah State Inspector. Mr. Goodwin said that the location must be ripped and reseeded only and does not need to be restored to the original topography. A sundry notice will be submitted as soon as the location is ready for final inspection.

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE

District Drilling Supt.

DATE

1-6-89

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY: